

FIG.1

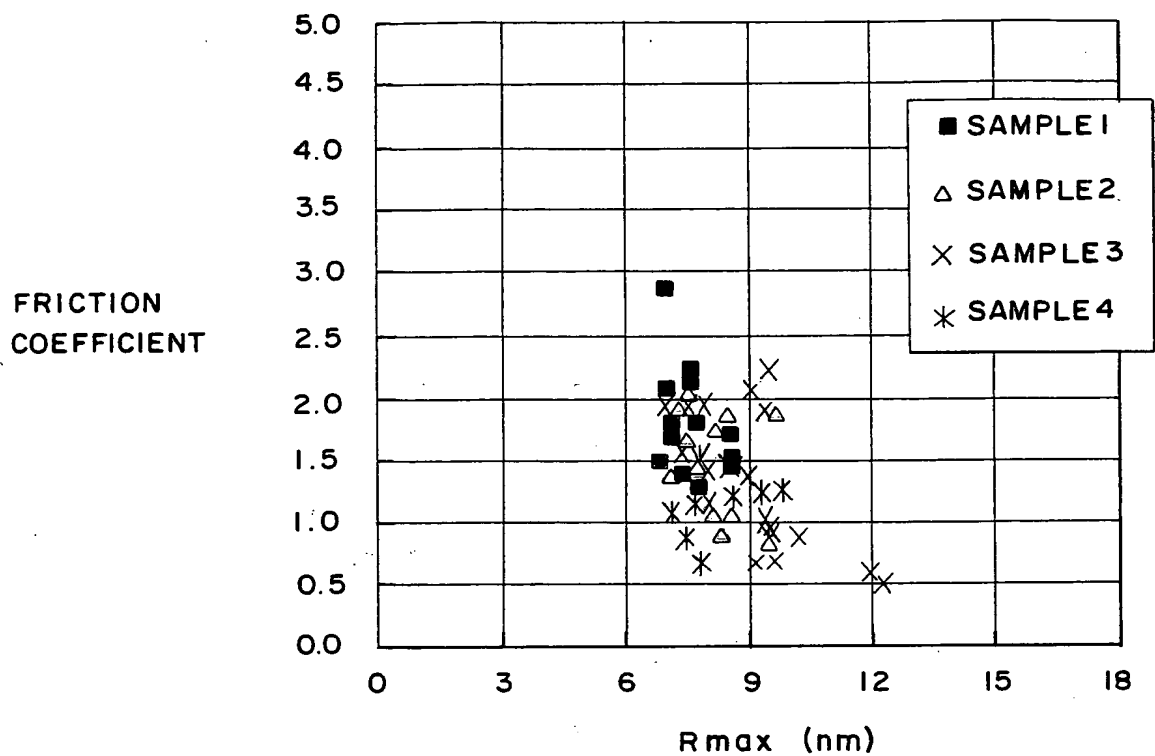


FIG.2

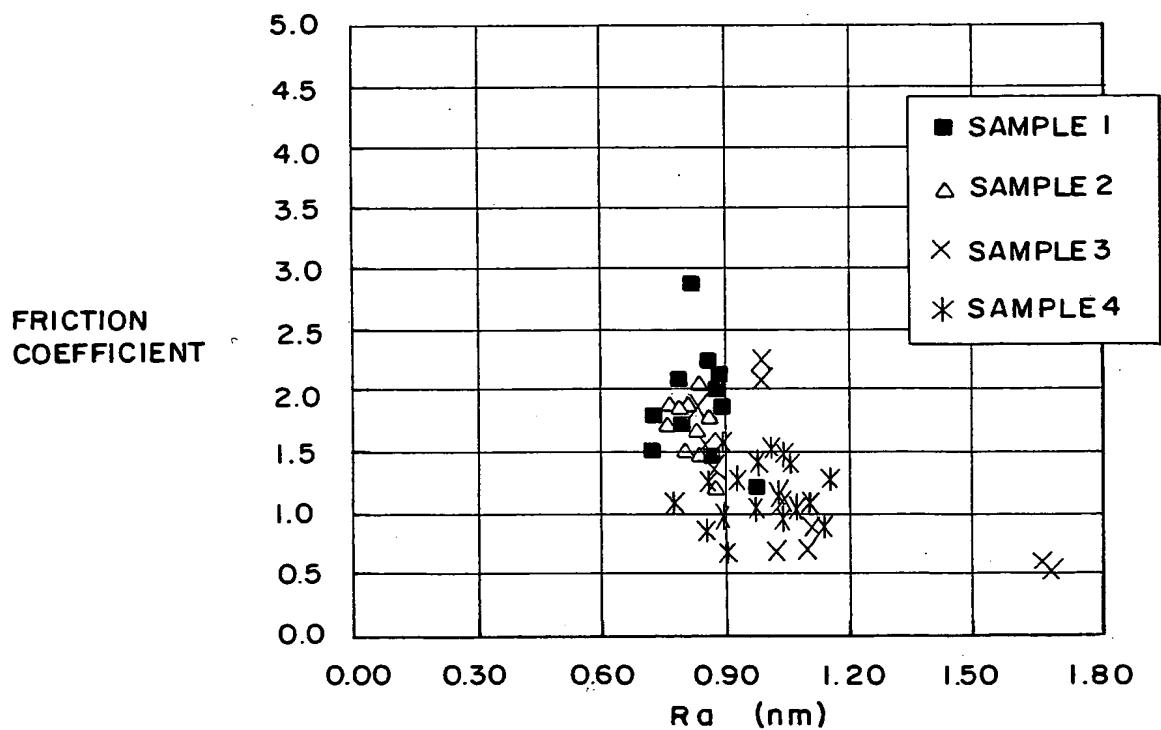


FIG. 3

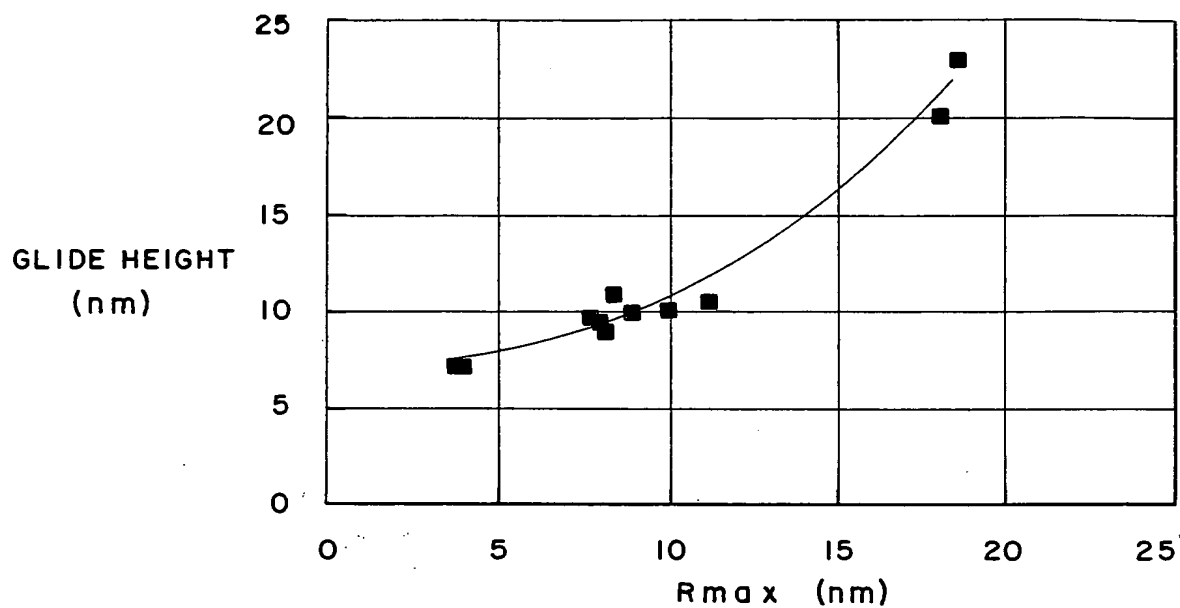


FIG. 4

| SAMPLE | Rmax | Ra | OBA% @3nm |
|----------|------|------|-----------|
| SAMPLE 1 | 7.55 | 0.88 | 43 |
| SAMPLE 2 | 7.12 | 0.72 | 73 |
| SAMPLE 3 | 7.83 | 0.90 | 60 |
| SAMPLE 4 | 8.18 | 0.88 | 26 |

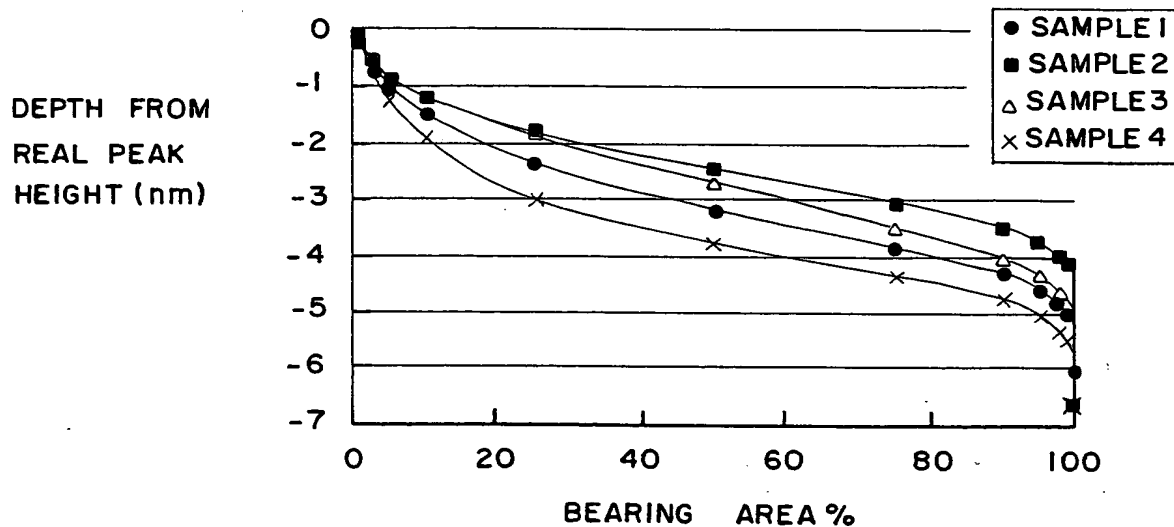


FIG.5

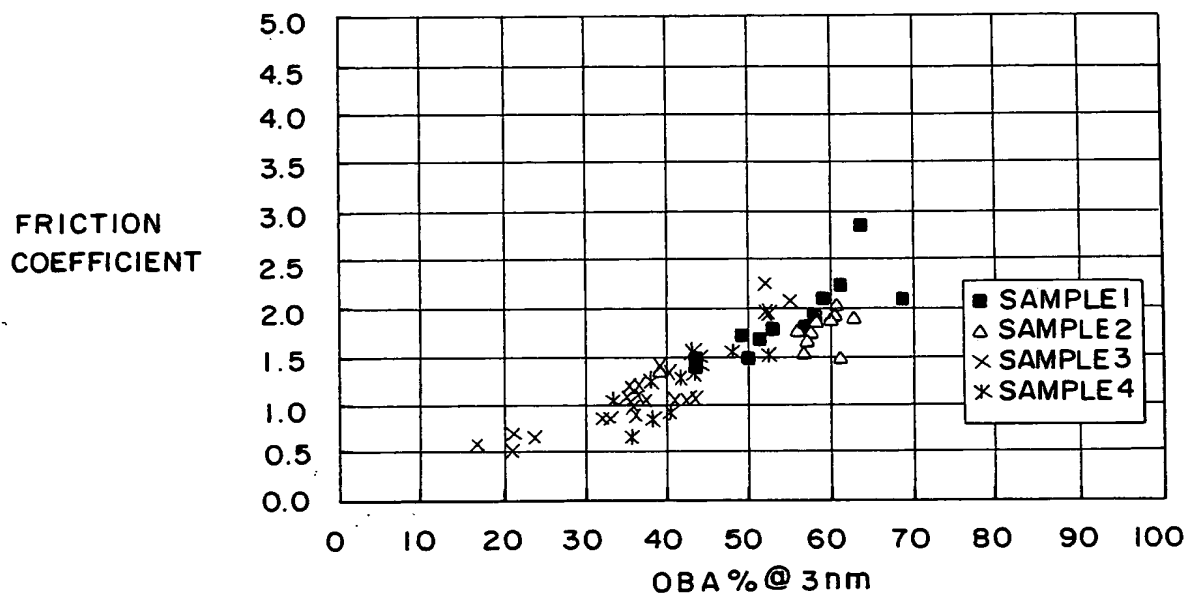


FIG.6

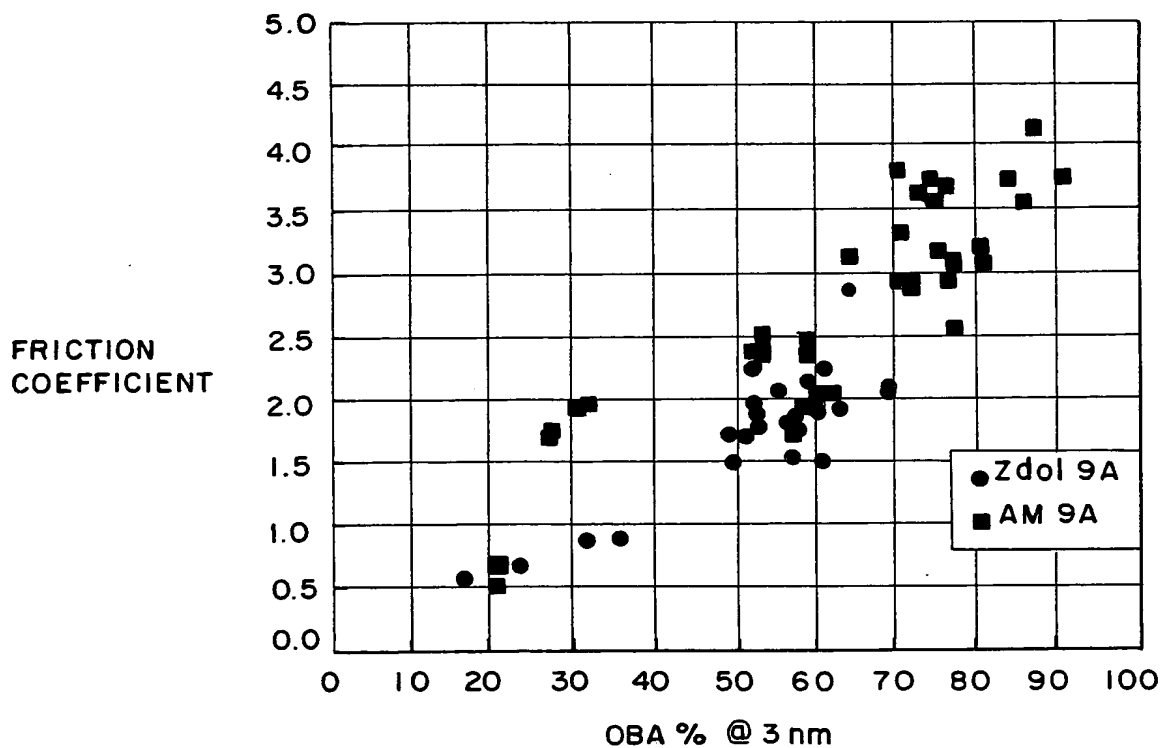


FIG. 7

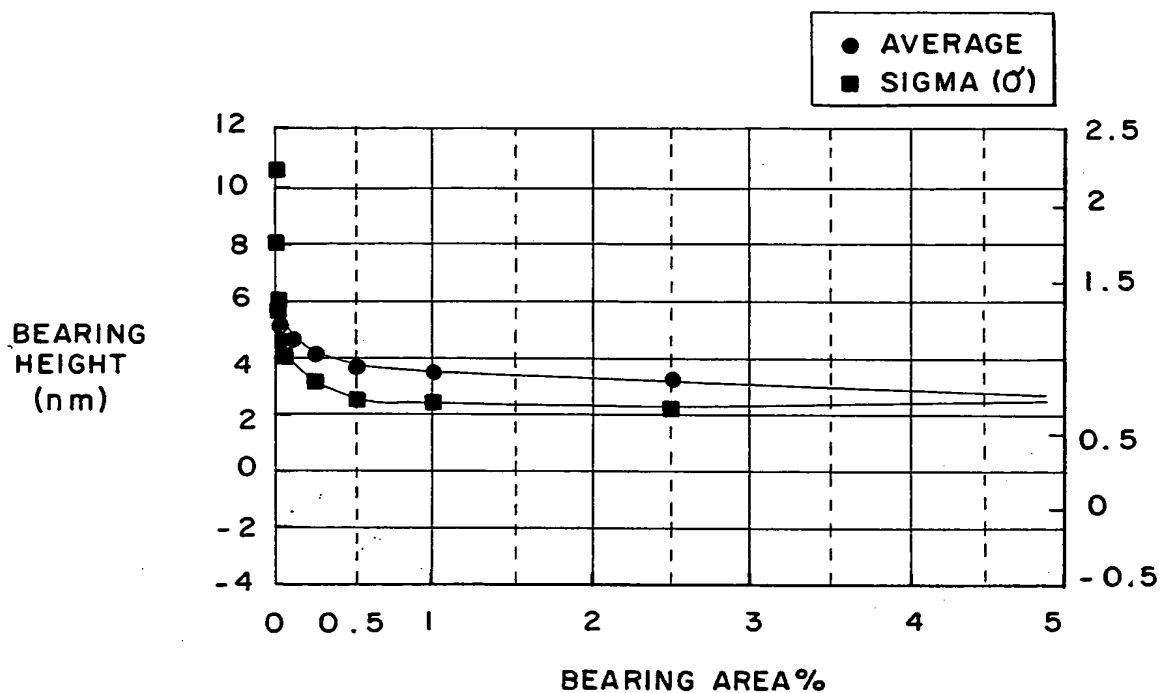


FIG. 8

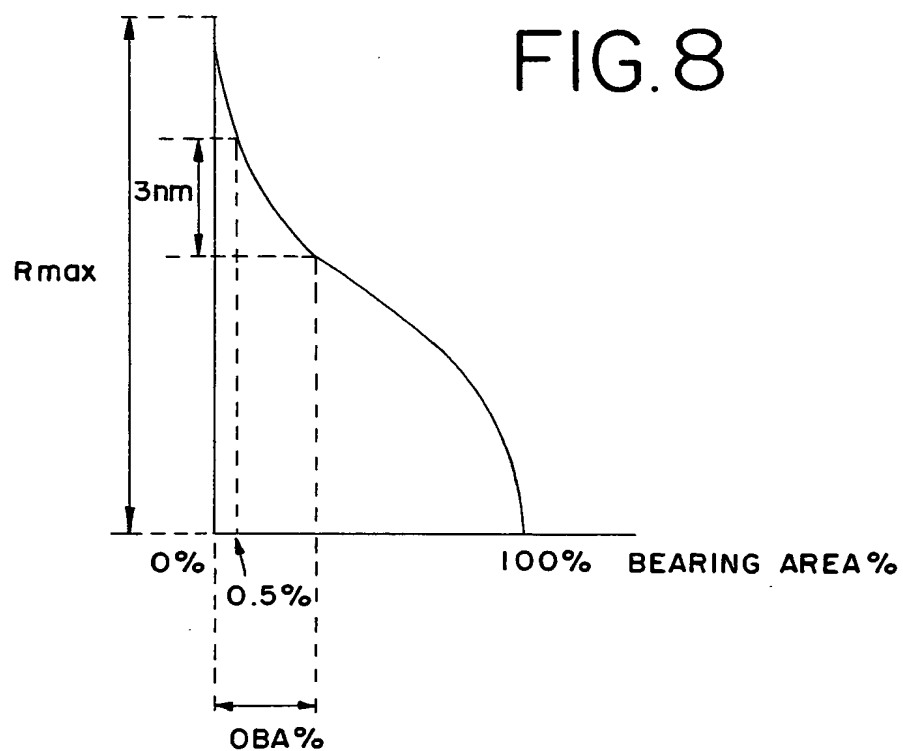


FIG.9

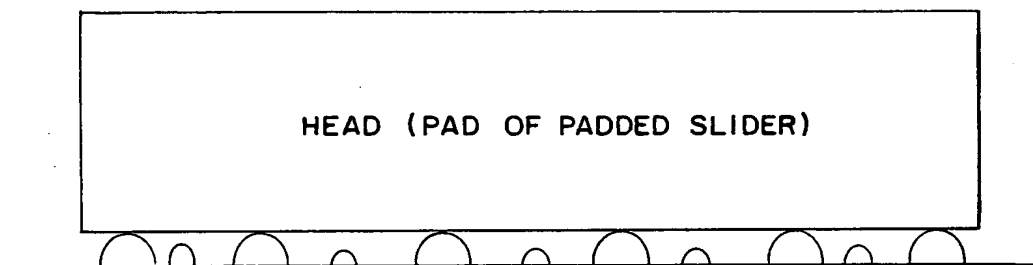


FIG.10

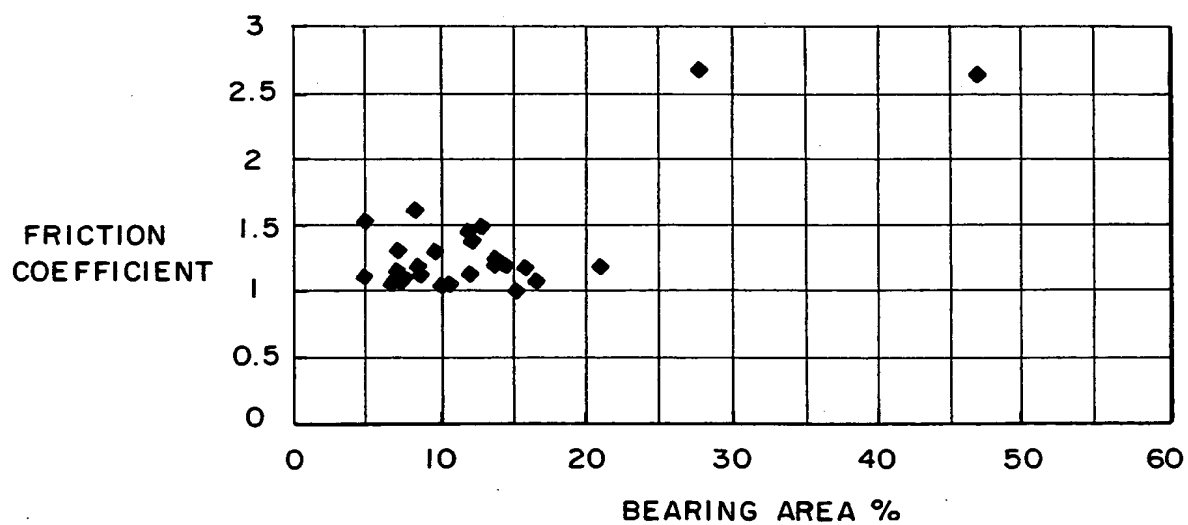


FIG. II

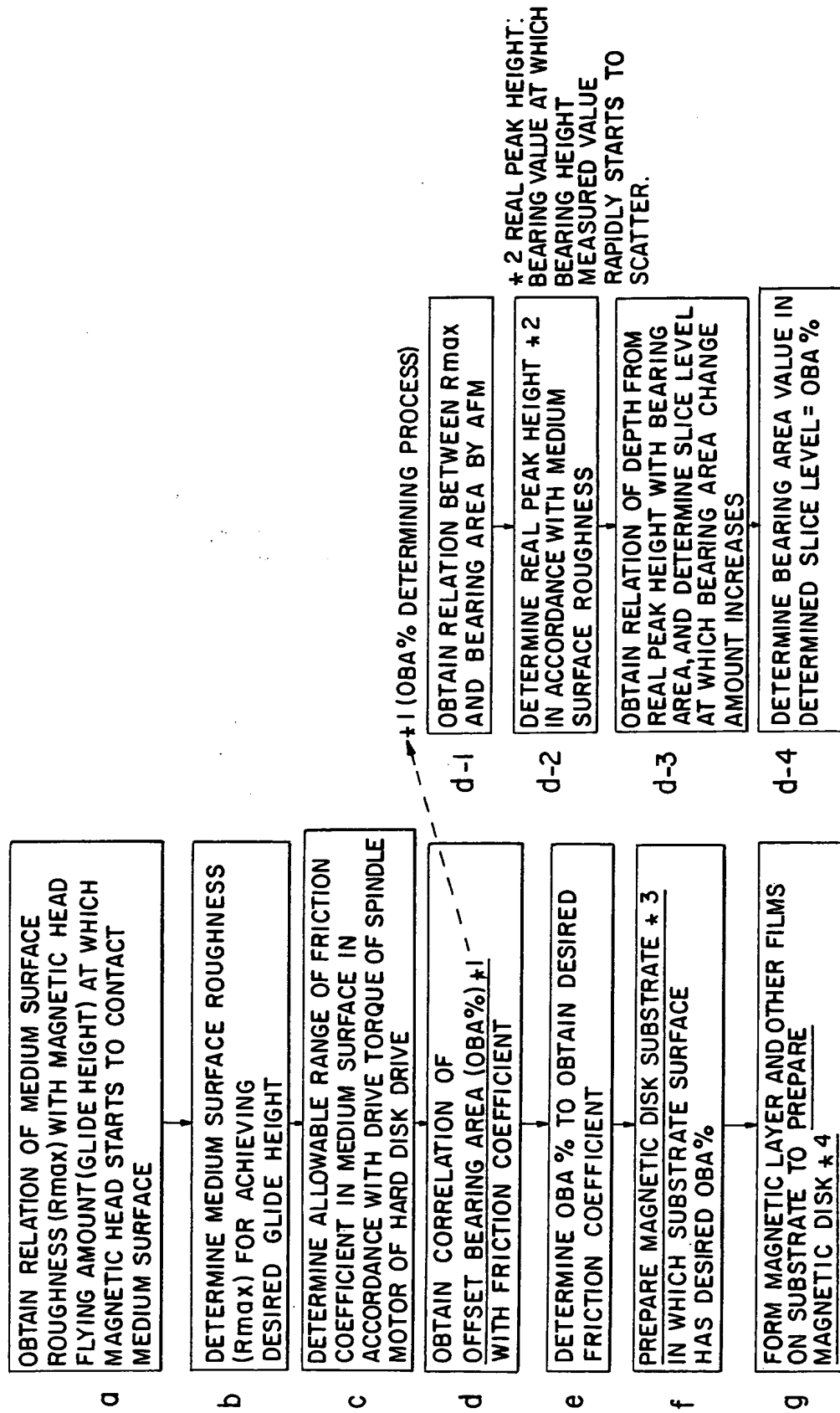


FIG.12

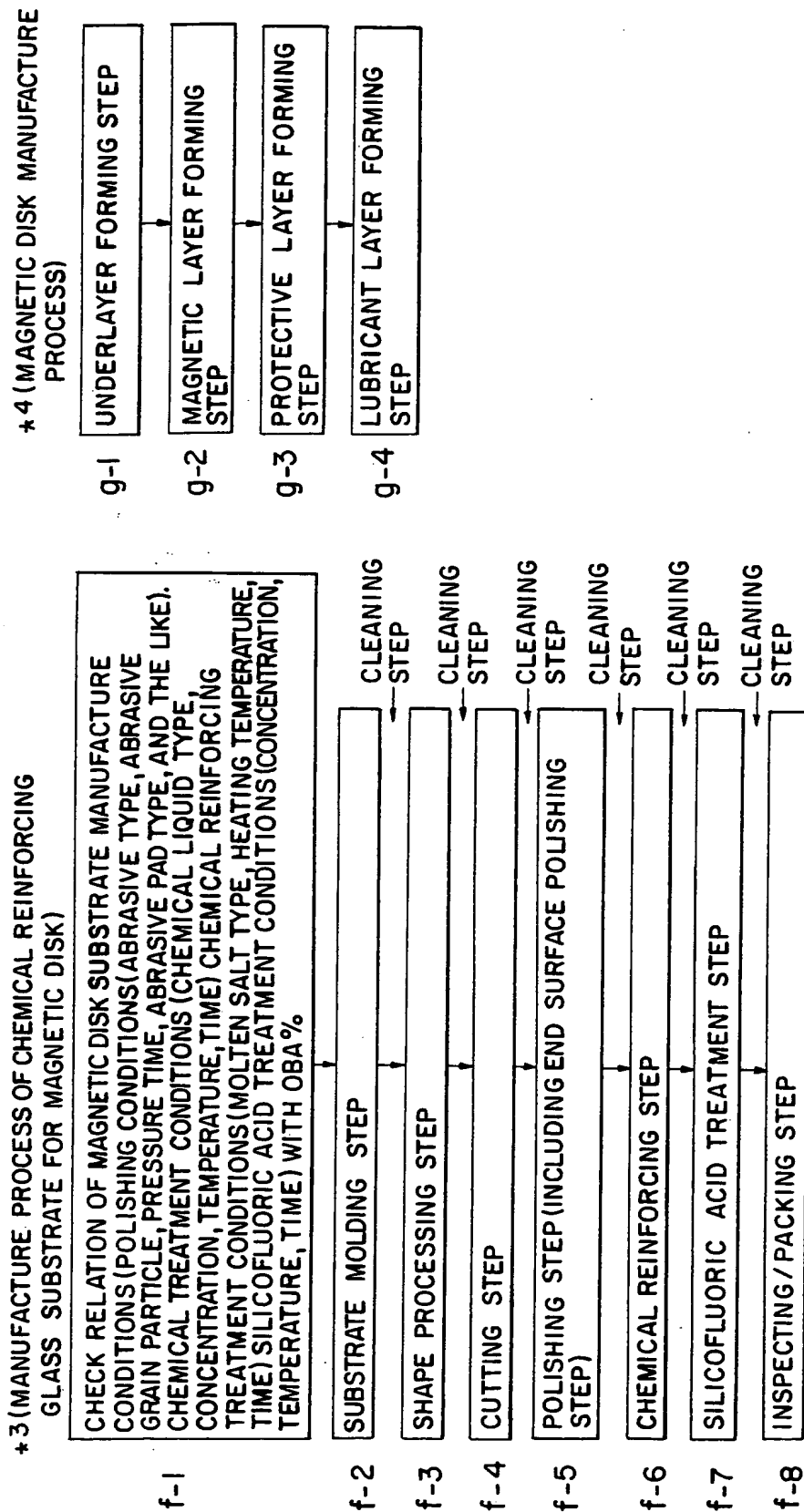


FIG.13

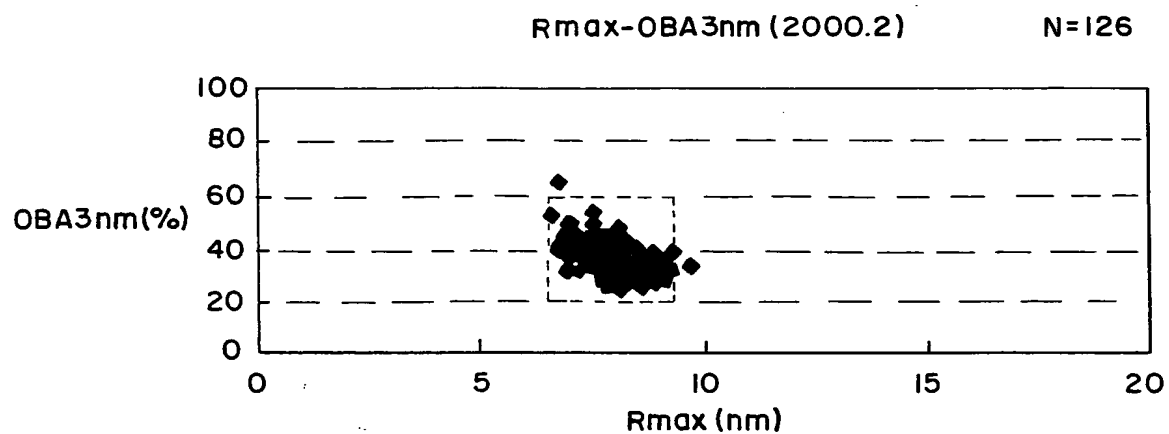


FIG.14

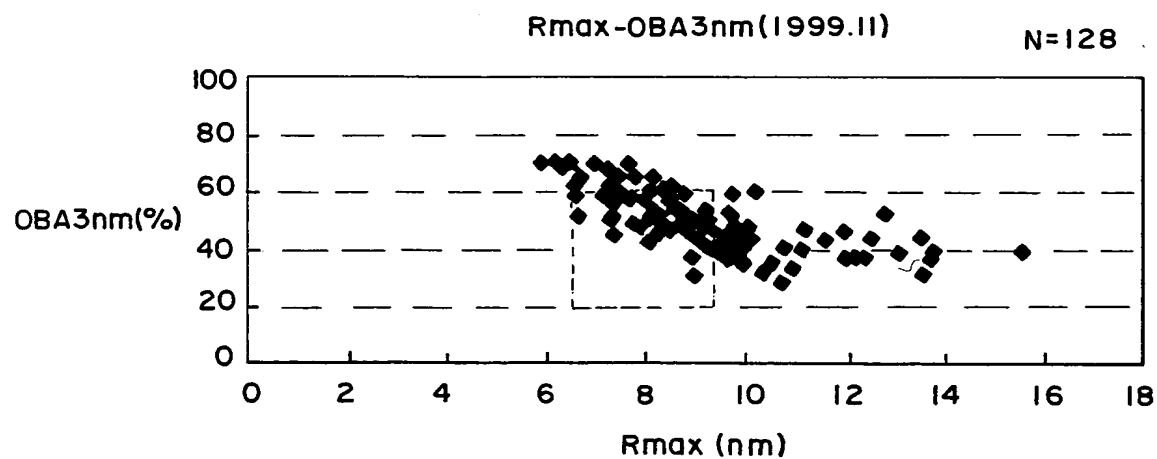
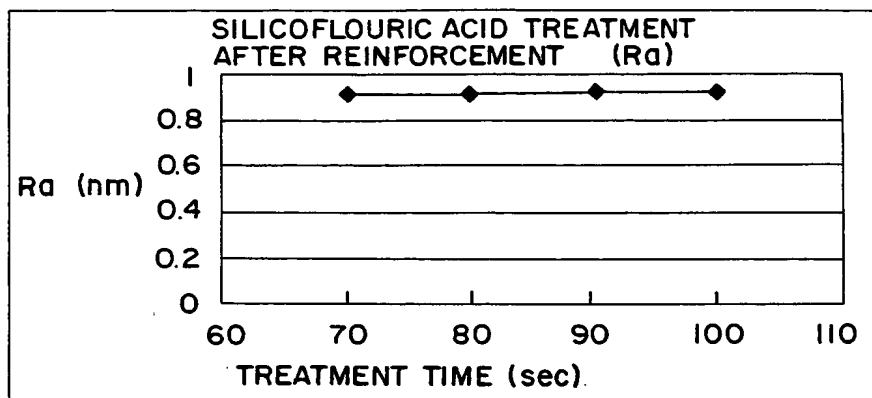
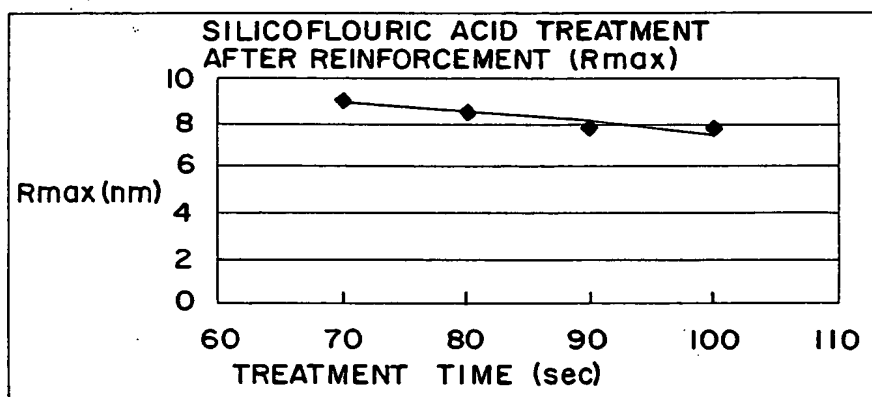


FIG.15



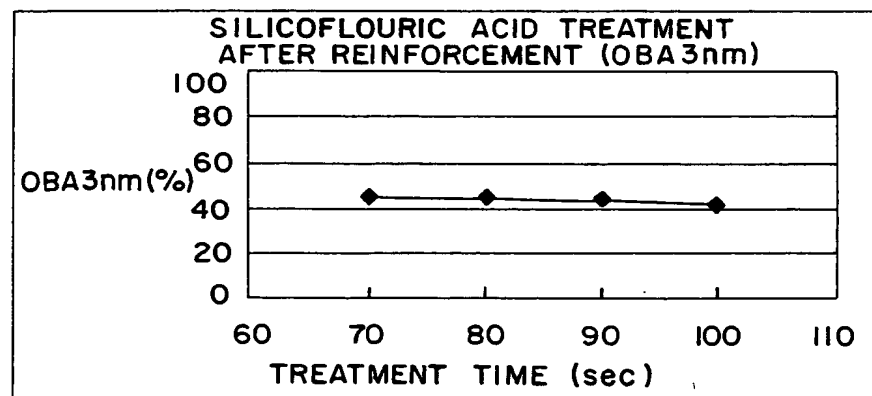
ROUGHNESS CHANGE BY H_2SiF_6 TREATMENT
AFTER CHEMICAL REINFORCEMENT (Ra)

FIG.16



ROUGHNESS CHANGE BY H_2SiF_6 TREATMENT
AFTER CHEMICAL REINFORCEMENT (Rmax)

FIG.17



ROUGHNESS CHANGE BY H_2SiF_6 TREATMENT
AFTER CHEMICAL REINFORCEMENT (OBA3nm)